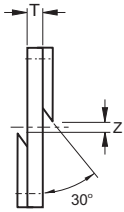
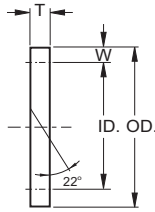


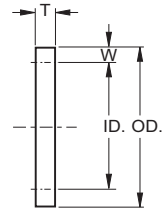
TABLE OF DIMENSIONS OF BACK-UP RINGS (JIS B 2407)



spiral (T1)



cut (T2)



endless (T3)

(Unit : mm)

Nominal size Of back up ring	Spiral				biacut and endless				Applicable O-ring nominal size by JIS B 2401							
	ID.	Width (W)	Thickness (T)	Clearance (Z)	ID.	OD.	Thickness (T)									
P 3	3	$1.5 \pm \begin{smallmatrix} 0.03 \\ -0.05 \end{smallmatrix}$	$0.7 \mu 0.05$	$1.2 \mu 0.4$	3	$\begin{smallmatrix} +0.15 \\ 0 \end{smallmatrix}$	6	$\begin{smallmatrix} 0 \\ -0.15 \end{smallmatrix}$	$1.25 \mu 0.1$	P 3						
P 4	4				4		7			P 4						
P 5	5				5		8			P 5						
P 6	6				6		9			P 6						
P 7	7				7		10			P 7						
P 8	8				8		11			P 8						
P 9	9				9		12			P 9						
P 10	10				10		13			P 10						
P 10A	10				$2.0 \pm \begin{smallmatrix} 0.03 \\ -0.05 \end{smallmatrix}$		$0.7 \mu 0.05$			$1.4 \mu 0.8$	10	$\begin{smallmatrix} +0.15 \\ 0 \end{smallmatrix}$	14	$\begin{smallmatrix} 0 \\ -0.15 \end{smallmatrix}$	$1.25 \mu 0.1$	P 10A
P 11	11										11		15			P 11
P 11.2	11.2	11.2	15.2	P 11.2												
P 12	12	12	16	P 12												
P 12.5	12.5	12.5	16.5	P 12.5												
P 14	14	14	18	P 14												
P 15	15	15	19	P 15												
P 16	16	16	20	P 16												
P 18	18	18	22	P 18												
P 20	20	20	24	P 20												
P 21	21	21	25	P 21												
P 22	22	22	26	P 22												
P 22A	22	$3.0 \pm \begin{smallmatrix} 0.03 \\ -0.05 \end{smallmatrix}$	$0.7 \mu 0.05$	$2.5 \mu 1.5$	22	$\begin{smallmatrix} +0.20 \\ 0 \end{smallmatrix}$	28	$\begin{smallmatrix} 0 \\ -0.20 \end{smallmatrix}$	$1.25 \mu 0.1$	P 22A						
P 22.4	22.4				22.4		28.4			P 22.4						
P 24	24				24		30			P 24						
P 25	25				25		31			P 25						
P 25.5	25.5				25.5		31.5			P 25.5						
P 26	26				26		32			P 26						
P 28	28				28		34			P 28						
P 29	29				29		35			P 29						
P 29.5	29.5				29.5		35.5			P 29.5						
P 30	30				30		36			P 30						
P 31	31				31		37			P 31						
P 31.5	31.5				31.5		37.5			P 31.5						

Back-up Ring



(Unit : mm)

Nominal size Of back up ring	Spiral				biascut and endless			Applicable O-ring nominal size by JIS B 2401	
	ID.	Width (W)	Thickness (T)	Clearance (Z)	ID.	OD.	Thickness (T)		
P 32	32				32		38	P 32	
P 34	34				34		40	P 34	
P 35	35				35		41	P 35	
P 35.5	35.5				35.5		41.5	P 35.5	
P 36	36				36		42	P 36	
P 38	38				38		44	P 38	
P 39	39				39		45	P 39	
P 40	40	3.0 ^{+0.03} / _{0.05}	0.7 μ0.05	2.5 μ1.5	40	+0.20 0	46 -0.20	1.25 μ0.1	P 40
P 41	41				41		47		P 41
P 42	42				42		48		P 42
P 44	44				44		50		P 44
P 45	45				45		51		P 45
P 46	46				46		52		P 46
P 48	48				48		54		P 48
P 49	49				49		55		P 49
P 50	50				50		56		P 50
P 48A	48				48		58		P 48A
P 50A	50				50		60		P 50A
P 52	52				52		62		P 52
P 53	53				53		63		P 53
P 55	55				55		65		P 55
P 56	56				56		66		P 56
P 58	58				58		68		P 58
P 60	60				60		70		P 60
P 62	62				62		72		P 62
P 63	63				63		73		P 63
P 65	65				65		75		P 65
P 67	67				67		77		P 67
P 70	70				70		80		P 70
P 71	71	5.0 ^{+0.03} / _{0.05}	0.9 μ0.06	4.5 μ1.5	71	+0.25 0	81 -0.25	1.9 μ0.13	P 71
P 75	75				75		85		P 75
P 80	80				80		90		P 80
P 85	85				85		95		P 85
P 90	90				90		100		P 90
P 95	95				95		105		P 95
P 100	100				100		110		P 100
P 102	102				102		112		P 102
P 105	105				105		115		P 105
P 110	110				110		120		P 110
P 112	112				112		122		P 112
P 115	115				115		125		P 115
P 120	120				120		130		P 120
P 125	125				125		135		P 125
P 130	130				130		140		P 130
P 132	132				132		142		P 132

Back-up Ring

(Unit : mm)

Nominal size Of back up ring	Spiral				biascut and endless					Applicable O-ring nominal size by JIS B 2401
	ID.	Width (W)	Thickness (T)	Clearance (Z)	ID.	OD.	Thickness (T)			
P 135	135	5.0 ^{+0.03} _{0.05}	0.9 _{μ0.06}	4.5 μ1.5	135	145	0	1.9 μ0.13	P 135	
P 140	140				140 ^{+0.25}				150	P 140
P 145	145				145				155 ^{-0.25}	P 145
P 150	150				150				160	P 150
P 150	150	7.5 ^{+0.03} _{0.05}	1.4 _{μ0.08}	6.0 μ2.0	150	250 ^{+0.30} ₀	0	2.75 _{μ0.15}	P 150A	
P 155	155				155				170	P 155
P 160	160				160				175	P 160
P 165	165				165				180	P 165
P 170	170				170				185	P 170
P 175	175				175				190	P 175
P 180	180				180				195	P 180
P 185	185				185				200	P 185
P 190	190				190				205	P 190
P 195	195				195				210	P 195
P 200	200				200				215	P 200
P 205	205				205				220	P 205
P 209	209				209				224	P 209
P 210	210				210				225	P 210
P 215	215				215				230	P 215
P 220	220				220				235	P 220
P 225	225				225				240	P 225
P 230	230				230				245	P 230
P 235	235				235				250	P 235
P 240	240				240				255	P 240
P 245	245				245				260	P 245
P 250	250				250				265 ^{-0.30}	P 250
P 255	255				255				270	P 255
P 260	260				260				275	P 260
P 265	265				265				280	P 265
P 270	270				270				285	P 270
P 275	275				275				290	P 275
P 280	280				280				295	P 280
P 285	285				285				300	P 285
P 290	290				290				305	P 290
P 295	295				295				310	P 295
P 300	300				300				315	P 300
P 315	315				315				330	P 315
P 320	320				320				335	P 320
P 335	335				335				350	P 335
P 340	340				340				355	P 340
P 355	355				355				370	P 355
P 360	360	360	375	P 360						
P 375	375	375	390	P 375						
P 385	385	385	400	P 385						
P 400	400	400	415	P 400						

Back-up Ring

(Unit : mm)

Nominal size Of back up ring	Spiral				biacut and endless				Applicable O-ring nominal size by JIS B 2401	
	ID.	Width (W)	Thickness (T)	Clearance (Z)	ID.	OD.	Thickness (T)			
G 25	25				25		30		G 25	
G 30	30				30		35		G 30	
G 35	35				35	+0.20	40	0	G 35	
G 40	40				40	0	45	-0.20	G 40	
G 45	45				45		50		G 45	
G 50	50				50		55		G 50	
G 55	55				55		60		G 55	
G 60	60				60		65		G 60	
G 65	65				65		70		G 65	
G 70	70				70		75		G 70	
G 75	75				75		80		G 75	
G 80	80	2.5 [±] _{0.05} ^{0.03}	0.7μ0.05	4.5 μ1.5	80	+0.25 0	85	0 -0.25	1.25 μ0.10	G 80
G 85	85				85		90			G 85
G 90	90				90		95			G 90
G 95	95				95		100			G 95
G 100	100				100		105			G 100
G 105	105				105		110			G 105
G 110	110				110		115			G 110
G 115	115				115		120			G 115
G 120	120				120		125			G 120
G 125	125				125		130			G 125
G 130	130				130		135			G 130
G 135	135				135		140			G 135
G 140	140				140		145			G 140
G 145	145				145		150			G 145
G 150	150				150		160			G 150
G 155	155				155		165			G 155
G 160	160				160		170			G 160
G 165	165				165		175			G 165
G 170	170				170		180			G 170
G 175	175				175		185			G 175
G 180	180				180		190			G 180
G 185	185				185		195			G 185
G 190	190				190		200			G 190
G 195	195				195		205			G 195
G 200	200	5.0 [±] _{0.05} ^{0.03}	0.9μ0.06	6.0 μ2.0	200	+0.30 0	210	0 -0.30	1.9 μ0.13	G 200
G 210	210				210		220			G 210
G 220	220				220		230			G 220
G 230	230				230		240			G 230
G 240	240				240		250			G 240
G 250	250				250		260			G 250
G 260	260				260		270			G 260
G 270	270				270		280			G 270
G 280	280				280		290			G 280
G 290	290				290		300			G 290
G 300	300				300		310			G 300